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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/884,416	06/18/2001	Fong Fang Shen	50325-0537 (3943)	3181

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HICKMAN PALERMO TRUONG & BECKER, LLP
2055 GATEWAY PLACE
SUITE 550
SAN JOSE, CA 95110

EXAMINER

KNOWLIN, THUAN P

ART UNIT	PAPER NUMBER
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2642

DATE MAILED: 01/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/884,416

Applicant(s)

SHEN ET AL.

Examiner

Thjuan P. Knowlin

Art Unit

2642

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 October 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-47 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-47 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 June 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed on October 31, 2005 has been entered. No claims have been amended. No claims have been cancelled. Claims 21-47 have been added. Claims 1-47 are now pending in this application, with claims 1, 12, 13, 14, and 15 being independent.

Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

2. Claims 1-47 are rejected under 35 U.S.C. 102(e) as being anticipated by Wang et al (US 6,636,505).
3. In regards to claims 1, 9, 11, 12, 13, 14, 15, 17, 30, 40, and 47, Wang discloses a method, computer-readable medium, and apparatus of automating the provisioning of network services for customer premises equipment (See Fig. 2 and CPE 110) of a subscriber in a next generation digital telecommunications network (See Abstract and col. 5 lines 38-47), the method comprising the steps of: receiving a service request from a network service provider (for example, the service request comes from the broadband modem and goes to the central office, which is associated with a network service provider) (See Abstract) that comprises information uniquely identifying the customer premises equipment to be provisioned, and a service to be provided by the customer

premises equipment (See col. 5 lines 38-48, col. 6-7 lines 66-6, col. 8 lines 3-20, and col. 9 lines 3-6); retrieving a configuration template for a configuration appropriate for the customer premises equipment; allocating and reserving at least one resource associated with the customer premises equipment (See col. 7 lines 34-53 and col. 7-8 lines 61-2); generating configuration data for the customer premises equipment based on the configuration template and stored system configuration information; and delivering the configuration data over the network (See Fig. 2, core ATM network 80, and DSLAM 90) to the customer premises equipment to result in provisioning the customer premises equipment to provide the service (See col. 7-8 lines 61-15 and col. 8 lines 37-41).

4. In regards to claims 2, 4, 5, 18, 20, 21, 23, 24, 28, 31, 33, 34, 38, 41, 42, and 45, Wang discloses the method, apparatus, and computer-readable medium, wherein the customer premises equipment is an ADSL router (See col. 5 lines 38-47, col. 6 lines 48-50, and col. 6-7 lines 66-6), wherein the network is an asynchronous transfer mode (ATM) network (See Fig. 2, core ATM network 80, and col. 7-8 lines 61-2), and wherein the step of generating configuration data includes the step of allocating and reserving an IP address and fully qualified domain name for each of a plurality of permanent virtual circuits associated with communications among the network and the router (See col. 7 lines 34-53, col. 7-8 lines 61-2, and col. 8 lines 3-20).

5. In regards to claims 3, 19, 22, and 32, Wang discloses the method, apparatus, and computer-readable medium, wherein the service request comprises information uniquely identifying the customer premises equipment to be provisioned, information

identifying one or more permanent virtual circuits assigned by the service provider to the customer premises equipment; and access control data (See col. 8 lines 3-20 and col. 9 lines 3-6).

6. In regards to claims 6, 10, 16, 25, 29, and 35, Wang discloses a method, apparatus, and computer-readable medium, wherein the step of generating configuration data includes the steps of: allocating and reserving one or more network addresses respectively associated with one or more communication channels between the network and the customer premises equipment by communicating with a dynamic host control protocol server; allocating and reserving one or more fully qualified domain names respectively associated with one or more communication channels between the network and the customer premises equipment by communicating with a domain name service server (See col. 7 lines 34-53 and col. 7-8 lines 61-2).

7. In regards to claims 7, 8, 26, 27, 36, 37, 39, 43, 44, and 46, Wang discloses a method and computer-readable medium, further comprising the steps of: creating and storing updated configuration data in response to receiving a request to update provisioning of the customer premises equipment; generating a request to a proxy element of a network access device to update the provisioning to the customer premises equipment (See col. 7-8 lines 61-2 and col. 9 lines 47-55).

Response to Arguments

8. Applicant's arguments filed 10/31/05 have been fully considered but they are not persuasive. Applicants argue that Wang does not teach or suggest, "receiving a

service request from a network service provider that comprises information uniquely identifying the customer premises equipment to be provisioned, and a service to be provided by the customer premises equipment". Wang, however, does teach and suggest receiving a service request from a network service provider (for example, the service request comes from the broadband modem and goes to the central office, which is associated with a network service provider) (See Abstract) that comprises information uniquely identifying the customer premises equipment (See Fig. 2 and CPE 110) to be provisioned, and a service to be provided by the customer premises equipment (See Abstract, col. 8 lines 3-20, and col. 9 lines 3-6). Applicants further argue that Wang does not teach or suggest "allocating and reserving at least one resource associated with the customer premises equipment". Examiner respectfully disagrees with this argument. Wang does teach and suggest allocating and reserving at least one resource associated with the customer premises equipment (See col. 7 lines 34-53 and col. 7-8 lines 61-2).

Conclusion

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).
10. A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

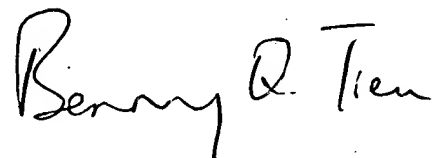
shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thjuan P. Knowlin whose telephone number is (571) 272-7486. The examiner can normally be reached on Mon-Fri 8:30-5:00pm.

12. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on (571) 272-7488. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

13. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thjuan P. Knowlin



BENNY TIEU
PRIMARY EXAMINER